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Mail Stop ISSUE FEE  
Commissioner for Patents  
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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)

7590

12/23/2003

Dorsey & Whitney LLP  
Suite 3400  
Four Embarcadero Center  
San Francisco, CA 94111-4187



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## Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO, on the date indicated below.

Kari Bateman (Depositor's name)  
[Signature] (Signature)  
March 23, 2004 (Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/029,080	12/21/2001	Nannaji Saka	A-69174-1/MSS	5296

TITLE OF INVENTION: IN-SITU METHOD AND APPARATUS FOR END POINT DETECTION IN CHEMICAL MECHANICAL POLISHING

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$300	\$1630	03/23/2004

EXAMINER	ART UNIT	CLASS-SUBCLASS
STAFIRA, MICHAEL PATRICK	2877	356-630000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1. DORSEY & WHITNEY LLP  
2. \_\_\_\_\_  
3. \_\_\_\_\_

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Co-Owned  
Aviza Technology, Inc. and / Scotts Valley, California and  
Massachusetts Institute of Technology / Cambridge, Massachusetts

Please check the appropriate assignee category or categories (will not be printed on the patent); ☐ individual ☐ corporation or other private group entity ☐ government

4a. The following fee(s) are enclosed:

- ☒ Issue Fee  
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☒ Advance Order - # of Copies (3) three

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(Authorized Signature) [Signature] (Date)

Maria S. Swiatek, Reg. No. 37, 244 3/23/04

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02/29/2004 MDAHTE2 00000060 10029080

FC:1504 300.00 OP  
FC:8001 9.00 OP  
FC:2501 665.00 OP

03/29/2004 MDAHTE2 00000060 10029080

01 FC:1504 300.00 OP  
02 FC:8001 9.00 OP  
03 FC:2501 665.00 OP



# APPLICATION FEE TRANSMITTAL SHEET (FY 2004)

Complete if Known

Application No.	10/029,080
Filing Date	December 21, 2001
First Named Inventor	Nannaji Saka et al.
Group Art Unit	2877
Examiner Name	Michael P. Stafira
Atty. Docket Number	A-69174-1/MSS (463035-29)

## METHOD OF PAYMENT (Check One)

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account No.: 50-2319

Deposit Account Name: DORSEY & WHITNEY LLP

- ☒ Charge any additional fee required under 37 C.F.R. 1.16 and 1.17  
☐ Applicant claims small entity status (see 37 C.F.R. 1.27)

2. ☒ Check Enclosed

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity Fee	Small Entity Fee	Fee Description
160	80	<input type="checkbox"/> Provisional Filing Fee
770	385	<input type="checkbox"/> Utility Filing Fee
340	170	<input type="checkbox"/> Design Filing Fee
770	385	<input type="checkbox"/> Reissue Filing Fee
Subtotal (1)		

### 2. EXTRA\* CLAIM FEES

Number Claims	Prior	Extra	Fee from Below*	Fee Paid
Total	- 20	=	x	=
Indep.	- 3	=	x	=
Multiple Dependent Claims	=	x	=	=
Subtotal (2)				

### \*Calculation of Extra Claim Fees

Large Entity Fee	Small Entity Fee	Fee Description
18	9	Claims in excess of 20
86	43	Independent claims in excess of 3
290	145	Multiple dependent Claim
84	42	Reissue independent claims over original patent
18	9	Reissue claims in excess of 20 and over original patent

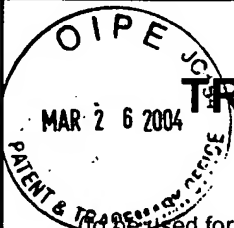
## FEE CALCULATION (Continued)

### 3. ADDITIONAL FEES

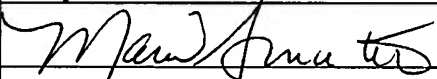
Large Entity Fee	Small Entity Fee	Fee Description	Fee paid
50	25	Surcharge - late provisional filing fee or cover sheet	
130	65	Surcharge - Late nonprovisional filing fee or oath	
180	180	Submission of IDS	
40	40	Recording each patent assignment per property (times number of properties)	\$80.00
110	55	Extension for reply within first month	
420	210	Extension for reply within second month	
950	475	Extension for reply within third month	
1,480	740	Extension for reply within fourth month	
2010	1005	Extension for reply within fifth month	
770	385	Submission After Final 1.129	
330	165	Notice of Appeal	
330	165	Filing a brief in support of an appeal	
290	145	Request for oral hearing	
110	55	Terminal Disclaimer Fee	
130	130	Petitions to the Commissioner	
50	50	Petitions related to provisional applications	
1,330	665	Utility/Reissue Issue Fee (including advance copies)	\$674.00
480	240	Design Issue Fee (inc. advance copies)	
770	385	Request for Continued Examination (RCE)	
300	300	Publication fee for early, voluntary, or normal publication	\$300.00
300	300	Publication fee for re-publication	
110	55	Petition to Revive - unavoidable	
1,330	665	Petition to Revive - unintentional	
OTHER FEE (specify):			
Subtotal (3)			\$1,054.00
Total Amount of Payment:			\$1,054.00

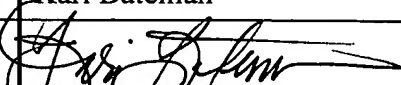
## Submitted by:

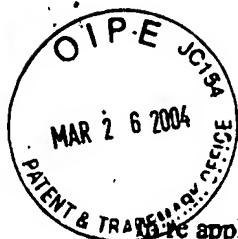
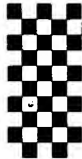
Name: Maria S. Swiatek	Reg. No.: 37,244	Telephone: 650-494-8700
DORSEY & WHITNEY LLP	Four Embarcadero Center, Suite 3400 San Francisco, California 94111-4187	Customer Number 32940
Signature: <i>Maria Swiatek</i>	Date: March 23, 2004	

 <b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)	Application No.	10/029,080	
	Filing Date	Decem 21, 2001	
	First Named Inventor	Nannaji Saka et al.	
	Examiner Name	Michael P. Stafira	
	Group Art Unit	2877	
Total Number of Pages in This Submission	71	Attorney Docket No.	A-69174-1/MSS (463035-29)

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form	<input checked="" type="checkbox"/> 2 Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input checked="" type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Reply	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	Issue Fee Transmittal; Ck No. 6339 in the amount of \$1,054.00
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	(\$665 for Issue Fee at Sm. Entity rate; \$300 for Publication fee; \$80 for 2 Assignment recordals; \$9 for 3 soft copies); Small Entity Statement; and Postcard.
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, No. of CD(s) _____	
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application	Remarks	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm or Individual name	Maria S. Swiatek, Reg. No. 37,244 DORSEY & WHITNEY LLP 4 Embarcadero Center, Suite 3400 San Francisco, CA 94111 Telephone : 415 781 1989	Customer Number 32940
Signature		
Date	March 23, 2004	

CERTIFICATE OF MAILING			
I hereby certify that this correspondence is being deposited with the United States Postal Service with Sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date: _____			
Typed or printed name	Kari Bateman		
Signature		Date	March 23, 2004

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

We application of:

**Saka et al.****Serial No. 10/029,080****File: December 21, 2001****For: IN-SITU METHOD AND  
APPARATUS FOR END POINT  
DETECTION IN CHEMICAL  
MECHANICAL POLISHING****Attorney Docket No.: A-69174-1/MSS  
(463035-29)****Date: March 23, 2004****SMALL ENTITY STATEMENT****United States Patent and Trademark Office  
P.O. Box 371611  
Pittsburgh, PA 15250-1611**

Assignee hereby asserts entitlement to small entity status and is thereby entitled to pay the small entity fee in accordance with 37 C.F.R. 1.27, in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons. Further, no rights to the patent are held by any concern which would not qualify as a small business concern under 37 C.F.R. §1.27.

**Aviza Technology, Inc.****Date: March 22, 2004****By****Name: Jeffrey M. Kowalski****Title: Executive Vice President of Technology****440 Kings Village Road  
Scotts Valley, California 95066**